



Production Intercom

Operating Instructions

BP-1

Headset stations (Belt Packs)

1. Plug a headset into the XLR type 4-pin socket on the back of the unit. The headset wiring standard is shown in Fig.1. In **Production Intercom** systems, the phase of the earphone is the reverse of that sometimes used. This was done to reduce the effect that the headset connector and wiring has on the headset station bridging impedance and 'Sidetone' (See #8) adjustment stability. Either standard of headset wiring will work with **Production Intercom** headset stations.
2. Plug the standard microphone cable from your power supply or master station into the XLR 3-pin type socket on the back of the unit.
3. Press the mic. button and partly turn up the 'Listen level' (▲) control on your unit and others on the same circuit as yourself.
4. You should now be able to communicate with any other outstations.
5. The thumb operated 'Listen-level' control regulates the loudness of your headset earphone(s). It has NO effect on how loudly others hear you.
6. The microphone amplifier gain is factory adjusted to suit most types of headset microphones. It contains a limiter/compressor which compensates for differences in microphone output and voice levels. Should your chosen headset have too little mic. output, please contact your dealer.
7. The flash (signal) push button flashes a light in all outstations connected to your circuit. It is used to attract attention in the event that a user has removed his/her headset.
8. The screwdriver preset controls the level of your own voice in your headset. This adjustment is called 'Sidetone'. This is set at the factory at a level suitable to the majority of the users. This can be altered for personal preference or adjusted for deep cancellation allowing the headset to be removed and used to monitor.
9. Aside from a reduction in 'Sidetone' stability incurred when a Clear-Com[®] station is used in a **Production Intercom** communications system, the two systems are compatible.

Specifications:

Headset Microphone Impedance: 200 Ω preferred, 30 Ω to 1 K Ω acceptable.
Headset Earphone Impedance: 150-600 Ω preferred, 8 Ω - 4 K Ω acceptable.
Voltage: 24V DC nominal, 15-30V DC acceptable.
Current consumption: 10 mA with speech, 30 mA with signal lamp activated.
Lamp type: 4-segment 20mA LED
Line bridging impedance: 200 Ω unbalanced
Sidetone cancellation: 0dB to 55dB

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Controls:

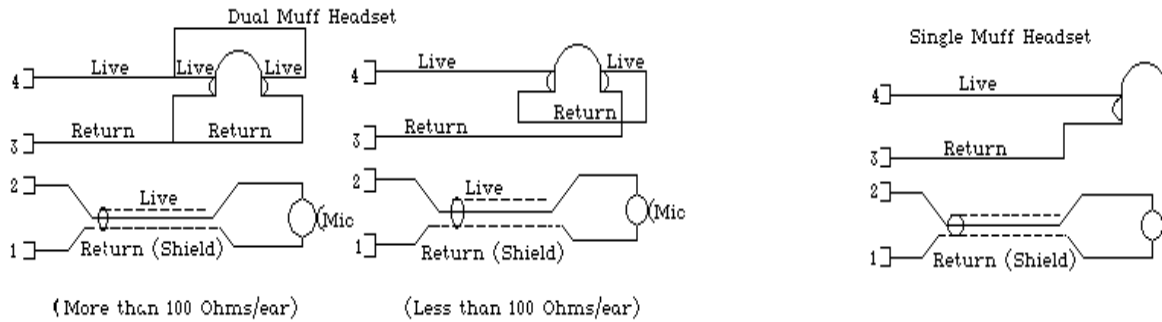
Talk: Push on/push off, self indicating switch

Listen level: Thumbwheel operated potentiometer

Signal: Non-latching push button switch.

Sidetone: Screwdriver adjust, recessed potentiometer.

Headset Connector Wiring



Belt Pack connections

